## EAST Search History

| Ref# | Hits  | Search Query  | DBs                                      | Default<br>Operator | Plurals | Time Stamp          |
|------|-------|---|--|---------------------|---------|---------------------|
| L1   | 1114  | ((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) (optical near1 (passag \$2 pass adj1 through ))) near12 reflect\$4 same (waveguide\$1 wave adj1 guide\$1) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/02<br>17:46 |
| L2   | 6446  | waveguides same<br>layers   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/02<br>17:46 |
| L3   | 24403 | (layer\$1 substrat\$2<br>backplane back adjl<br>plane strip\$2) near7<br>(flex\$4 soft\$3 polymer<br>\$3 kapto\$1) same<br>(waveguide\$1 wave<br>nearl guide\$1)            | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/02<br>17:46 |
| L4   | 50    | L1 and L2 and L3  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2009/02/02<br>17:46 |
| Si   | 35256 | (waveguides wave<br>nearl guides) same<br>layers  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2008/03/24<br>20:04 |
| 82   | 22601 | (layer\$1 substrat\$2<br>backplane back adjl<br>plane strip\$2) near7<br>(flex\$4 soft\$3 polymer<br>\$3 kapto\$1) same<br>(waveguide\$1 wave<br>nearl guide\$1)            | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2008/03/24<br>20:06 |
| S3   | 38331 | ((optical adjl (cavit\$3 via\$1)) (vias holes apertures openings) (optical nearl (passag \$3 pass adjl through))) same (waveguide\$1 wave nearl guide\$1) same layers       | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR                  | OFF     | 2008/03/24<br>20:08 |

| S4 | 213769   | ((optical adjl (cavit\$3 via\$1)) (vias holes apertures openings) (optical nearl (passag \$3 oass adj1 through)) same (waveguide\$1 wave nearl guide\$1) same ((second adji layer\$1) layer\$ | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | TOFF | 2008/03/24<br>20:11 |
|----|----------|---|--|----|------|---------------------|
| S5 | 219556   | ((optical adji (cavit\$3 via\$1)) (vias holes apertures openings) (optical nearl (passag \$3 pass adji through)) same (waveguide\$1 wave nearl guide\$1) same ((second adji layer\$1) layers) | US PCPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF  | 2008/03/24<br>20:13 |
| S6 | 12872275 | (((optical adjl (cavit\$3 via\$1)) (vias holes apertures openings) (optical nearl (passag \$3 pass adjl through))) nearl2 reflect\$5 same (waveguide\$1 wave nearl guide\$1)                  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF  | 2008/03/24<br>20:15 |
| S7 | 8351858  | ((optical adjl (cavit\$3 via\$1)) (via\$ holes apertures openings) ((optical nearl (passag \$3 pass adj1 through))) nearl2 reflect\$5 same (waveguid\$\$1 wave nearl guid\$\$1)               | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF  | 2008/03/24<br>20:16 |
| S8 | 1035     | ((optical adj1 (cavit\$3 via\$1)) (vias holes apertures openings) ((optical near1 (passag \$2 pass adj1 through ))) near12 reflect\$4 same (waveguide\$1 wave adj1 guide\$1)                  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF  | 2008/03/24<br>20:20 |
| S9 | 6010     | waveguides same<br>layers   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR | OFF  | 2008/03/24<br>20:21 |

| S10 | 22601 | (layer\$1 substrat\$2<br>backplane back adjl<br>plane strip\$2) near7<br>(flex\$4 soft\$3 polymer<br>\$3 kapto\$1) same<br>(waveguide\$1 wave<br>nearl guide\$1)                      | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | MOR | OFF | 2008/03/24<br>20:22 |
|-----|-------|---|--|-----|-----|---------------------|
| S11 | 49    | S8 and S9 and S10   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR  | OFF | 2008/03/24<br>20:23 |
| S12 | 1     | "20030039455"   | US-PGPUB;<br>USPAT                       | OR  | OFF | 2008/03/24<br>20:24 |
| S13 | 1     | 10/541188   | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR  | OFF | 2008/03/24<br>20:38 |
| S14 | 1     | \$13 and GaAs same<br>(substrate\$1 same<br>semiconduct\$4) and<br>(emit\$5 ld\$1 laser\$2)<br>same GaAs and<br>(transform\$4 reflect\$4)<br>near12 semiconduct\$4                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR  | OFF | 2008/03/24<br>20:44 |
| S15 | 0     | S13 and GaAs same<br>substrate\$1 same (emit<br>\$5 Id\$1 laser\$2) same<br>(transform\$4 reflect\$4)<br>near12 semiconduct\$4  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR  | OFF | 2008/03/24<br>20:57 |
| S16 | 0     | S13 and CaAs same<br>substrate\$1 same (emit<br>\$5 Id\$1 laser\$2) same<br>(transform\$4 reflect\$4)<br>same semiconduct\$4  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR  | OFF | 2008/03/24<br>20:58 |
| S17 | 0     | \$12 and GaAs same<br>(substrate\$1 same<br>semiconduct\$4) and<br>(emit\$5 ld\$1 laser\$2)<br>same GaAs and<br>(transform\$4 reflect\$4)<br>near12 semiconduct\$4                    | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR  | OFF | 2008/03/24 20:58    |
| S18 | 1     | S12 and GaAs  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR  | OFF | 2008/03/24<br>20:58 |
| S19 | 1     | \$12 and GaAs and<br>(substrate\$1 same<br>semiconduct\$4) and<br>(emit\$5 ld\$1 laser\$2)<br>and GaAs and<br>(transform\$4 reflect\$4<br>mirror\$2 deflect\$4)<br>and semiconduct\$4 | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR  | OFF | 2008/03/24 21:00    |

| S20 | 1 | S12 and GaAs and (substrate\$1 same semiconduct\$4) and (emit\$5 Id\$1 laser\$2) and GaAs and (transform\$4 reflect\$4 mirror\$2 deflect\$4) and semiconduct\$4 and (si silic\$4 sio\$4) | US PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR . | OFF | 2008/03/24<br>21:01         |
|-----|---|--|--|------|-----|-----------------------------|
| S21 | 1 | S13 and GaAs and (substrate\$1 same semiconduct\$4) and (emit\$5 Id\$1 laser\$2) and GaAs and (transform\$4 reflect\$4 mirror\$2 deflect\$4) and semiconduct\$4 and (si silic\$4 sio\$4) | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT | OR   | OFF | 2008/03/2 <b>4</b><br>21:21 |

<sup>2/2/2009 6:09:21</sup> PM

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